

**REMARKS**

**I. Amendments**

Claims 1-28 have been amended to place the claims in conformance with U.S. patent practice. Claims 5-15, 17, and 19-27 have been amended to eliminate the dependency of a multiple dependent claim upon another multiple dependent claim.

New claims 29-31 are directed to embodiments of the invention deleted from original claims 8, 15 and 19, respectively. New claim 32 is supported by claim 1 and covers the embodiment when the generated signals are correlated to more than one solid state parameter of the sample.


Figure reference numerals have been deleted from amended claims 1 and 22-24.

Upon entry of this Preliminary Amendment, claims 1-32 are pending. No new matter has been added by any amendment herein.

The Commissioner is authorized to charge any fee which may be due in connection with this communication to Deposit Account No. 23-1703.

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Respectfully submitted,

  
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